

Release B CDR RID Report

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Document CDR

RID ID CDR 58

Review Release B CDR

Originator Ref

Priority 2

Section

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Figure Table

Category Name ECS System-Level

Actionee ECS

Sub Category

Subject No information on ECS sustaining Engineering design.

Description of Problem or Suggestion:

ECS sustaining Engineering (or M &O) hardware, software, or network connections are not addressed at the review (CDR). Although not part of the production system, these elements are part of the overall system and the project. If not addressed at the CDR, the ECS contractor should not get the OK to procure the hardware.

Originator's Recommendation

Address sustaining Engineering/M&O systems.

GSFC Response by: Schroeder

GSFC Response Date

In addition to the response provide by Tom Hickey below, further information can be found in a Tom Hickey presentation to the ECSRB entitled "Sustaining Engineering" (Aug 12, 1996). A copy was faxed to the EDC ECSRB telecon representative.

HAIS Response by: T. Hickey

HAIS Schedule

HAIS R. E. T. Hickey

HAIS Response Date 5/20/96

The following response was provided to the RID originator, Tom Kalvelage of EDC, via email on 30-Apr-96.

At this time we have not specified the Release B DAAC sustaining engineering environments. We have, however, designed the GSFC DAAC, LaRC DAAC, and SMC. The general approach is to provide either a workstation or a PC/Mac for each member of the sustaining engineering staff and to provide additional computational/compilation/storage support using servers.

Our concept for the large DAACs (therefore EDC) is to provide at least one server and/or workstation from each vendor present in the operational suite so that limited debug, compilations, system builds, etc. can be performed in the sustaining engineering environment. It may also be possible to perform limited testing using this architecture (TBD).

From a SW perspective, in the engineering environment we intend to provide the usual suite of office automation tools (word processors, spreadsheets, vu-graph tools, email), as well as compilers, and system build and configuration management tools.

Our recommended network approach is to connect a dedicated subnet into the ECS supplied FDDI switch so as to enhance security, provide a reasonable amount of isolation of operations from engineering, but still provide good access to operational data and resources.

We expect to finalize our approaches for the Release B DAACs in the 4th quarter of 1996 leading to installations just prior to Jun-97.

Status Closed

Date Closed 8/14/96

Sponsor Schroeder

***** Attachment if any *****